

# Disaggregation Summary Report

Test Date: 09/18/07

State: INDIANA

Grade: 9

## Purpose

This report describes group achievement for selected reporting populations.



## English/language arts

	Total Number of Students	Pass+ N	%	Pass N	%	Total Passing N	%	Did Not Pass N	%	Undetermined N	%	Mean/Median Scale Score	Standard Deviation
<b>All Students</b>	<b>81584</b>	<b>4962</b>	<b>6</b>	<b>48908</b>	<b>60</b>	<b>53870</b>	<b>66</b>	<b>25767</b>	<b>32</b>	<b>1947</b>	<b>2</b>	<b>545.7/548.3</b>	<b>67.5</b>
General Education													
TOTAL General Education	70491	4920	7	46710	66	51630	73	17487	25	1374	2	557.2/556.7	60.0
Special Education													
With accommodations	9405	18	0	1608	17	1626	17	7301	78	478	5	465.5/469.3	62.7
Without accommodations	1688	24	1	590	35	614	36	979	58	95	6	495.2/501.1	71.8
TOTAL Special Education	11093	42	0	2198	20	2240	20	8280	75	573	5	470.0/473.3	65.1
Limited English Proficiency													
With accommodations	1199	3	0	154	13	157	13	919	77	123	10	460.7/468.3	66.0
Without accommodations	828	5	1	290	35	295	36	456	55	77	9	499.3/506.3	61.3
TOTAL Limited English Proficiency	2027	8	0	444	22	452	22	1375	68	200	10	476.5/483.1	66.9
Non-Limited English Proficiency													
With accommodations	9479	22	0	1703	18	1725	18	7275	77	479	5	467.2/471.0	63.1
Without accommodations	70078	4932	7	46761	67	51693	74	17117	24	1268	2	557.8/557.1	59.6
TOTAL Non-Limited English Proficiency	79557	4954	6	48464	61	53418	67	24392	31	1747	2	547.3/549.6	66.6
Gender													
Male	41719	1628	4	23444	56	25072	60	15421	37	1226	3	534.1/538.5	68.0
Female	39751	3334	8	25414	64	28748	72	10296	26	707	2	557.8/558.4	64.7
No valid information	114	0	0	50	44	50	44	50	44	14	12	503.5/520.7	75.3
SES													
Paid lunch	53164	4434	8	35712	67	40146	76	12215	23	803	2	560.9/562.5	63.6
Free or reduced lunch	27721	522	2	12950	47	13472	49	13206	48	1043	4	516.8/521.2	64.9
No valid information	699	6	1	246	35	252	36	346	49	101	14	504.0/507.5	70.6
Ethnicity													
American Indian or Alaska Native	229	5	2	135	59	140	61	83	36	6	3	531.6/538.5	66.8
Black (Not of Hispanic Origin)	9664	113	1	3802	39	3915	41	5321	55	428	4	506.3/509.4	63.3
Asian or Pacific Islander	941	152	16	523	56	675	72	203	22	63	7	573.5/575.8	82.8
Hispanic	4531	89	2	2001	44	2090	46	2243	50	198	4	512.4/517.9	68.4
White (Not of Hispanic Origin)	63536	4488	7	41014	65	45502	72	16911	27	1123	2	554.0/556.1	64.8
Multiracial	2265	112	5	1293	57	1405	62	794	35	66	3	539.0/539.7	64.9
No valid information	418	3	1	140	33	143	34	212	51	63	15	502.8/505.8	63.9
Migrant	83	0	0	17	20	17	20	60	72	6	7	468.9/479.3	71.3

The cut score at Pass is 521. The cut score at Pass+ is 643.

The Lowest/Highest Scale Score Possible for English/language arts is 195/795.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%.

# Disaggregation Summary Report

Test Date: 09/18/07

State: INDIANA

Grade: 9

## Purpose

This report describes group achievement for selected reporting populations.



Mathematics		Total Number of Students	Pass+ N	%	Pass N	%	Total Passing N	%	Did Not Pass N	Pass %	Undetermined N	%	Mean/Median Scale Score	Standard Deviation
<b>All Students</b>		<b>81584</b>	<b>12800</b>	<b>16</b>	<b>44062</b>	<b>54</b>	<b>56862</b>	<b>70</b>	<b>23077</b>	<b>28</b>	<b>1645</b>	<b>2</b>	<b>572.9/578.9</b>	<b>76.4</b>
General Education														
TOTAL General Education		70491	12558	18	40875	58	53433	76	15874	23	1184	2	584.7/587.0	67.2
Special Education														
With accommodations		9318	146	2	2453	26	2599	28	6344	68	375	4	490.8/500.8	85.5
Without accommodations		1775	96	5	734	41	830	47	859	48	86	5	524.5/539.0	90.5
TOTAL Special Education		11093	242	2	3187	29	3429	31	7203	65	461	4	496.2/506.5	87.2
Limited English Proficiency														
With accommodations		1219	23	2	359	29	382	31	786	64	51	4	497.2/511.1	86.2
Without accommodations		808	47	6	370	46	417	52	369	46	22	3	539.4/546.5	73.4
TOTAL Limited English Proficiency		2027	70	3	729	36	799	39	1155	57	73	4	514.2/523.8	83.9
Non-Limited English Proficiency														
With accommodations		9393	164	2	2533	27	2697	29	6313	67	383	4	492.6/502.6	85.6
Without accommodations		70164	12566	18	40800	58	53366	76	15609	22	1189	2	585.1/587.4	67.2
TOTAL Non-Limited English Proficiency		79557	12730	16	43333	54	56063	70	21922	28	1572	2	574.4/580.1	75.6
Gender														
Male		41719	6782	16	22010	53	28792	69	11980	29	947	2	572.2/579.6	79.4
Female		39751	6016	15	22010	55	28026	71	11043	28	682	2	573.8/578.3	73.0
No valid information		114	2	2	42	37	44	39	54	47	16	14	519.8/533.5	82.1
SES														
Paid lunch		53164	11177	21	30589	58	41766	79	10710	20	688	1	590.1/594.0	70.5
Free or reduced lunch		27721	1592	6	13241	48	14833	54	12010	43	878	3	540.7/549.3	76.1
No valid information		699	31	4	232	33	263	38	357	51	79	11	517.0/526.0	86.8
Ethnicity														
American Indian or Alaska Native		229	22	10	127	55	149	65	70	31	10	4	560.2/572.4	79.3
Black (Not of Hispanic Origin)		9664	263	3	3605	37	3868	40	5366	56	430	4	518.7/527.0	77.5
Asian or Pacific Islander		941	388	41	383	41	771	82	161	17	9	1	614.7/627.8	99.4
Hispanic		4531	308	7	2202	49	2510	55	1897	42	124	3	543.2/552.3	77.6
White (Not of Hispanic Origin)		63536	11548	18	36430	57	47978	76	14591	23	967	2	583.3/587.8	71.2
Multiracial		2265	255	11	1190	53	1445	64	758	33	62	3	560.3/564.4	75.6
No valid information		418	16	4	125	30	141	34	234	56	43	10	512.2/520.3	87.0
Migrant		83	1	1	16	19	17	20	61	73	5	6	485.9/501.5	81.4

The cut score at Pass is 541. The cut score at Pass+ is 644.

The Lowest/Highest Scale Score Possible for mathematics is 280/900.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%

## State Proficiency Performance Summary

State: INDIANA

Grade: 9

**Purpose**  
This report provides the number and percent of students in each performance category.



Test Date: 09/18/07

	English/ language arts Pass +	English/ language arts Pass	English/ language arts Did Not Pass	English/ language arts Undetermined	Mathematics TOTALS
Mathematics Pass +	3726 Students Pass + in E/la and Math 5%	8956 Students Pass in E/la and Pass + in Math 11%	88 Students Did Not Pass in E/la and Pass + in Math 0%	30 Students Undetermined in E/la and Pass + in Math 0%	12800 Students Pass + in Math 16%
Mathematics Pass	1219 Students Pass + in E/la and Pass in Math 1%	34383 Students Pass in E/la and Math 42%	8182 Students Did Not Pass in E/la and Pass in Math 10%	278 Students Undetermined in E/la and Pass in Math 0%	44062 Students Pass in Math 54%
Mathematics Did Not Pass	5 Students Pass + in E/la and Did Not Pass in Math 0%	5355 Students Pass in E/la and Did Not Pass in Math 7%	17042 Students Did Not Pass in E/la and Math 21%	675 Students Undetermined in E/la and Did Not Pass in Math 1%	23077 Students Did Not Pass in Math 28%
Mathematics Undetermined	12 Students Pass + in E/la and Undetermined in Math 0%	214 Students Pass in E/la and Undetermined in Math 0%	455 Students Did Not Pass in E/la and Undetermined in Math 1%	964 Students Undetermined in E/la and Math 1%	1645 Students Undetermined in Math 2%
English/ language arts TOTALS	4962 Students Pass + in E/la 6%	48908 Students Pass in E/la 60%	25767 Students Did Not Pass in E/la 32%	1947 Students Undetermined in E/la 2%	Summary of Student Counts  Total Grade Count 81584 Students with Complete Tests 78956 Students with Undetermined Scores E/la Only 983 Math Only 681 Both 964

Summary of Scores	E/la		English/language arts			Mathematics		
			Pass +	Pass	Did Not Pass	Pass +	Pass	Did Not Pass
Mean Scale Score	545.7	572.9	MSS: 675.0	MSS: 571.5	MSS: 471.8	MSS: 676.8	MSS: 590.2	MSS: 482.4
Pass Cut Score	521	541	SD: 31.6	SD: 31.8	SD: 44.7	SD: 30.0	SD: 28.2	SD: 58.7
Pass + Cut Score	643	644	L/H Obt: 643-795	L/H Obt: 521-642	L/H Obt: 195-520	L/H/Obt: 644-900	L/H/Obt: 541-643	L/H/Obt: 280-540
Standard Deviation	67.5	76.4	L/H Range: 643-795	L/H Range: 521-642	L/H Range: 195-520	L/H Range: 644-900	L/H Range: 541-643	L/H Range: 280-540
Lowest/Highest Scale Score Obtained	195-795	280-900	4962 Students	48908 Students	25767 Students	12800 Students	44062 Students	23077 Students
Lowest/Highest Scale Score Possible	195-795	280-900	Pass +	Pass	Did Not Pass	Pass +	Pass	Did Not Pass

MSS: Mean Scale Score      SD: Standard Deviation      L/H Obt: Lowest/Highest Scale Score Obtained      L/H Range: Lowest/Highest Scale Score Range of Proficiency Level  
Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%.

## A Message from Dr. Suellen Reed

Dear Teachers and Administrators,

The *ISTEP* + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help them evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the *ISTEP* + assessment.

Sincerely,



Suellen Reed  
Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

**Criterion-referenced Test:** A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

**Indiana Academic Standards:** The Indiana Academic Standards define three categories of student achievement in English/language arts and mathematics (Pass +, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass +	Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.
Pass	Meets the passing standard.
Did Not Pass	Fails to meet the passing standard and in all likelihood will need remedial assistance.

**Indiana Scale Score:** Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP* + as scale scores in English/language arts and mathematics. These three-digit, equal-interval scores are expressed on unique scales by content area.

**Indiana Performance Index (IPI) Score:** A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

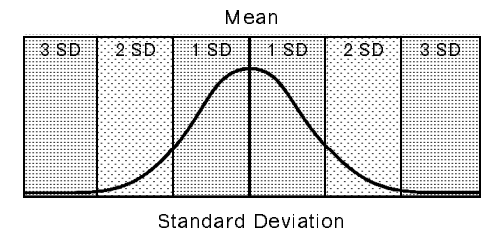
### SUMMARY INFORMATION

**Mean:** Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

**Median:** The median is another often used "average." It is defined as the score below which half of the cases fall.

**Mean Scale Score:** The arithmetic average of the scale scores obtained by a group of students.

**Standard Deviation (SD):** A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



## Applied Skills Frequency Distribution

State: INDIANA

Grade: 9

### Purpose

This report provides a frequency of points obtained by Applied Skills items.



Test Date: 09/18/07

E/la Item # - Test #	Points	Total	0 Points		1 Point		2 Points		3 Points		4 Points		5 Points		6 Points	
	Poss	Number of Stdnts	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%
<b>Writing Applications</b>																
1a-5-Writing Applications	6	81584			781	1	5341	7	23992	29	40919	50	7681	9	984	1
13b-6-Writing Applications	4	81584			5919	7	23123	28	37531	46	10829	13				
<b>Lang. Conventions</b>																
1b-5-Lang. Conventions	4	81584			983	1	7226	9	37123	46	34734	43				
13c-6-Lang. Conventions	4	81584			5146	6	15926	20	30277	37	26112	32				
<b>Reading Comp.</b>																
2-6-Reading Comp	2	81584	8343	10	11853	15	58256	71								
5-6-Reading Comp.	2	81584	25116	31	31096	38	20401	25								
<b>Reading Vocabulary</b>																
10-6-Reading Vocabulary	2	81584	18693	23	36043	44	24818	30								
<b>Lit. Resp. &amp; Analysis</b>																
11-6-Lit. Resp. & Analysis	2	81584	28696	35	17540	21	32209	39								
13a-6-Lit. Resp. & Analysis	2	81584	8268	10	19215	24	49919	61								
<b>Math</b>																
Item # - Test #	Points	Total	0 Points		1 Point		2 Points		3 Points		4 Points		5 Points		6 Points	
	Poss	Number of Stdnts	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%
<b>Algebra &amp; Functions</b>																
1-7-Algebra & Functions	2	81584	59311	73	4277	5	12143	15								
3-7-Algebra & Functions	2	81584	44477	55	25725	32	7648	9								
6-7-Algebra & Functions	2	81584	60583	74	1998	2	14545	18								
8-7-Algebra & Functions	2	81584	50864	62	4280	5	22489	28								
3-8-Algebra & Functions	2	81584	33623	41	17819	22	27898	34								
<b>Problem Solving</b>																
2-7-Problem Solving	3	81584	47896	59	3054	4	7974	10	20516	25						
5-8-Problem Solving	3	81584	55422	68	6560	8	2033	2	15409	19						
6-8-Problem Solving	3	81584	61198	75	3146	4	1114	1	13858	17						
7-8-Problem Solving	2	81584	40866	50	3123	4	34626	42								
<b>Measurement</b>																
4-7-Measurement	2	81584	38169	47	4709	6	37131	46								
2-8-Measurement	2	81584	62085	76	3462	4	12055	15								
4-8-Measurement	2	81584	27590	34	13458	16	38573	47								
8-8-Measurement	2	81584	45790	56	8109	10	25413	31								
<b>Geometry</b>																
5-7-Geometry	2	81584	15681	19	11532	14	52353	64								
<b>Data Analysis &amp; Prob.</b>																
7-7-Data Analysis & Prob.	2	81584	22969	28	35251	43	20807	26								
1-8-Data Analysis & Prob.	2	81584	42079	52	1415	2	36556	45								

**Applied Skills**  
**Frequency Distribution**

State: INDIANA

Grade: 9

**Purpose**  
This report provides a frequency of  
condition codes obtained by Applied Skills  
items.



Test Date: 09/18/07

E/la	Total Number of Students	Condition Code A Blank Response		Condition Code B Illegible		Condition Code C Non - English		Condition Code D Insufficient		Condition Code E Off Topic		Invalid / Omitted Test	
Item # - Test #		N	%	N	%	N	%	N	%	N	%	N	%
Writing Applications													
1a-5-Writing Applications	81584	0	0	5	0	14	0	76	0	368	0	1423	2
13b-6-Writing Applications	81584	3037	4	3	0	6	0	140	0	59	0	937	1
Lang. Conventions													
1b-5-Lang. Conventions	81584	0	0	5	0	14	0	76	0	0	0	1423	2
13c-6-Lang. Conventions	81584	3037	4	3	0	6	0	140	0	0	0	937	1
Reading Comp.													
2-6-Reading Comp.	81584	2172	3	7	0	1	0	1	0	14	0	937	1
5-6-Reading Comp.	81584	3986	5	7	0	2	0	12	0	27	0	937	1
Reading Vocabulary													
10-6-Reading Vocabulary	81584	1037	1	51	0	0	0	0	0	5	0	937	1
Lit. Resp. & Analysis													
11-6-Lit. Resp. & Analysis	81584	2173	3	9	0	0	0	5	0	15	0	937	1
13a-6-Lit. Resp. & Analysis	81584	3037	4	3	0	6	0	140	0	59	0	937	1
Math													
Item # - Test #	Total Number of Students	Condition Code A Blank Response		Condition Code B Illegible		Condition Code C Non - English		Condition Code D Insufficient		Invalid / Omitted Test			
		N	%	N	%	N	%	N	%	N	%	N	%
Algebra & Functions													
1-7-Algebra & Functions	81584	4836	6	0	0	1	0	5	0				
3-7-Algebra & Functions	81584	2722	3	0	0	0	0	1	0				
6-7-Algebra & Functions	81584	3437	4	7	0	0	0	3	0				
8-7-Algebra & Functions	81584	2940	4	0	0	0	0	0	0				
3-8-Algebra & Functions	81584	1170	1	1	0	0	0	0	0				
Problem Solving													
2-7-Problem Solving	81584	1131	1	0	0	0	0	2	0				
5-8-Problem Solving	81584	1078	1	9	0	0	0	0	0				
6-8-Problem Solving	81584	1182	1	12	0	0	0	1	0				
7-8-Problem Solving	81584	1890	2	4	0	1	0	1	0				
Measurement													
4-7-Measurement	81584	563	1	1	0	0	0	0	0				
2-8-Measurement	81584	2909	4	0	0	0	0	0	0				
4-8-Measurement	81584	889	1	1	0	0	0	0	0				
8-8-Measurement	81584	1190	1	9	0	0	0	0	0				
Geometry													
5-7-Geometry	81584	1007	1	0	0	0	0	0	0				
Data Analysis & Prob.													
7-7-Data Analysis & Prob.	81584	1525	2	17	0	4	0	0	0				
1-8-Data Analysis & Prob.	81584	459	1	2	0	0	0	0	0				

## Academic Standards Summary

State: INDIANA

Grade: 9

## Purpose

This report provides an analysis of Academic Standards using the average Indiana Performance Index (IPI) by subject for this group. The information may be used to analyze curriculum strengths and needs.



■No. of Students: 81584

Test Date: 09/18/07

### Indiana Performance Index (IPI)

The IPI is the expected number of items correct had 100 similar items been taken for the given Academic Standard. The Difference score is the Mean IPI minus the IPI at the passing cut score.

MC : Multiple-choice items

OE : Open-ended items

GR : Gridded response items

\*\* : Expected IPI for a student at the passing cut score

## STATE SUMMARY

The IPI is the expected number of items correct had 100 similar items been taken for the given Academic Standard. The Difference score is the Mean IPI minus the IPI at the passing cut score.	STATE SUMMARY						
	Points Possible	IPI at Pass**	Mean Number Correct	Mean IPI	Difference	Number Mastery	Percent Mastery
MC : Multiple-choice items OE : Open-ended items GR : Gridded response items ** : Expected IPI for a student at the passing cut score							
English/language arts							
1. Reading Vocabulary(MC,OE)	8	68	5.7	72.0	4.0	53635	67
2. Reading Comp.(MC,OE)	20	63	13.8	69.0	6.0	54395	68
3. Lit Response & Analysis(MC,OE)	20	67	14.4	71.9	4.9	54738	68
4. Writing Process(MC)	8	65	5.6	70.9	5.9	53589	66
5. Writing Applications(OE)	10	58	6.2	61.5	3.5	56378	70
6. Lang. Conventions(MC,OE)	20	66	14.5	72.0	6.0	53870	68
Number of Students: 79637							
Mathematics							
1. Number Sense(MC)	8	34	3.8	48.5	14.5	56853	70
2. Computation(MC)	9	41	5.0	55.0	14.0	56642	70
3. Algebra & Functions(MC,OE)	25	29	10.9	43.9	14.9	55838	70
4. Geometry(MC,OE)	9	45	4.9	54.7	9.7	55360	69
5. Measurement(MC,OE,GR)	16	34	8.0	49.5	15.5	57230	72
6. Data Analysis & Prob(MC,OE,GR)	11	41	6.0	54.8	13.8	55475	69
7. Problem Solving(MC,OE)	16	17	5.8	36.2	19.2	55882	70
Number of Students: 79939							

\* Number of students that completed all tests in the content area. ■ Total number of all students that tested in either content area. Any student tested in both content areas is counted once. Adding the two-digit "PI at Pass" scores will not result in the three-digit student score found on the Student Report.